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(71) Applicant (for all designated States except US):
L'OREAL [FR/FR]; 14, rue Royale, F-75008 Paris
(FR).

(72) Inventor; and

(75) Inventor/Applicant (for US only): PIOT, Bertrand [FR/FR]; 32, rue Godot de Mauroy, F-75009 Paris (FR).

(74) Agent: L'OREAL; Renard, Emmanuelle - D.I.P.I, 25-29 Quai Aulagnier, F-92600 Asnières (FR). (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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(54) Title: COMPOSITION, ESPECIALLY A COSMETIC COMPOSITION, CONTAINING AT LEAST ONE ALKYL PARA-HYDROXYBENZOATE AND AT LEAST ONE LIPOPHILIC AMINO ACID DERIVATIVE

(57) Abstract: The present invention relates to a cosmetic composition comprising, in a physiologically acceptable medium, at least one alkyl para-hydroxybenzoate and at least one lipophilic amino acid derivative, to its cosmetic uses, and to the cosmetic treatment process comprising the application of a composition according to the invention to the skin. The invention also relates to a process for dissolving an alkyl para-hydroxybenzoate using a lipophilic amino acid derivative. The invention also relates to the use of at least one lipophilic amino acid derivative to prevent the adsorption of at least one alkyl parahydroxybenzoate onto solid particles.



INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K7/48

According to international Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) $\begin{tabular}{ll} {\bf IPC} & {\bf 7} & {\bf A61K} \end{tabular}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

(EP 0 538 764 A (AJINOMOTO KK) 28 April 1993 (1993-04-28) page 8; table 6	1-3,5,6
(DATABASE CAPLUS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; XP002250828 retrieved from STN Database accession no. 2000:905573 abstract & JP 2000 355516 A (AJINOMOTO) 26 December 2000 (2000-12-26) -/	1-6

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filling date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filling date but later than the priority date claimed 	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is tecmbined with one or more other such documents, such combined with one or more other such documents, such combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search 2 July 2004	Date of mailing of the international search report 13/07/2004
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo ni, Fax: (+31–70) 340–3016	Authorized officer Pelli Wablat, B

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Internal al Application No
PCT/EP 03/14855

		PCT/EP 03/14855						
C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT								
ategory *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.						
X	EP 0 928 608 A (AJINOMOTO KK) 14 July 1999 (1999-07-14) cited in the application abstract page 17; table 2 page 8, line 10 - line 57	1-7						
X	EP 1 044 676 A (AJINOMOTO KK) 18 October 2000 (2000-10-18) cited in the application page 15; examples 22,23 page 16 - page 17; example 291; table 7	1-3,5,6						
Х	US 4 016 287 A (EBERHARDT HANS ET AL) 5 April 1977 (1977-04-05) column 8; example 10	1-3,5,6						
X	DATABASE CAPLUS 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; XP002250829 retrieved from STN Database accession no. 1981:412570 abstract å JP 56 016406 A (JPN. KOKAI TOKKYO KOHO) 17 February 1981 (1981-02-17)	1-3,5,6						

INTERNATIONAL SEARCH REPORT

information on patent family members

Internal Application No
PCT/EP 03/14855

Patent document cited in search report		Publication date	Patent family member(s)			Publication date	
EP 0538764	Α	28-04-1993	JP	2990624	B2	13-12-1999	
LI 0330704	•	20 0	ĴΡ	5112514		07-05-1993	
			DE		D1	10-04-1997	
			DE		T2	09-10-1997	
			EP	0538764	A1	28-04-1993	
			US	5334713	A	02-08-1994	
JP 2000355516	Α	26-12-2000	NONE				
EP 0928608	A	14-07-1999	JP	11246841		14-09-1999	
			JP	11240828		07-09-1999	
			ΕP	0928608		14-07-1999	
			US	6528068		04-03-2003	
			JP	2000007942	Α	11-01-2000	
EP 1044676	A	18-10-2000	JP	2000355531		26-12-2000	
•			EP	1044676		18-10-2000	
			·US	6447790	B1	10-09-2002	
US 4016287		05-04-1977	СН	600873		30-06-1978	
			DE		A1	31-01-1974	
			FR		A1	15-02-1974	
		•	GB		A	19-05-1976	
			AT	338434	В	25-08-1977	
			AT	608773	A	15-05-1976	
			AU	483797	B2	16-01-1975	
			AU		A	16-01-1975	
			BE	802414		16-01-1974	
	•		CA	1022849		20-12-1977	
			DD	107591		12-08-1974	
			DK	133537	В	08-06-1976	
			JP	49085244		15-08-1974	
			NL	7309851		21-01-1974	
			ES	416337		16-09-1976	
			HU	167186		28-08-1975	
	Α	17-02-1981	NONE				